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(51) INT CL<sup>7</sup>  
E21B 43/10 33/14 , F16L 13/14

(52) UK CL (Edition S )  
E1F FJT FLA  
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(56) Documents Cited

GB 2347952 A	GB 2344606 A
GB 1137310 A	EP 0881354 A
WO 98/00626 A	US 5924745 A
US 4703959 A	US 4648627 A
US 4501443 A	US 4577895 A

(58) Field of Search  
UK CL (Edition S) E1F F2J FLA, F2G  
INT CL<sup>7</sup> E21B , F16L  
Online: WPL, EPODOC, JAPIO

(72) cont  
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(74) continued overleaf

(54) Abstract Title  
Wellbore casing with radially expanded liner extruded off of a mandrel

(57) An expandable threaded connection includes a first tubular member, a second tubular member and a threaded connection for coupling the tubular members that includes one or more sealing members.



Application No: GB 0016917.7  
Claims searched: 1

Examiner: David Pepper  
Date of search: 25 September 2000

## Patents Act 1977 Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.R): E1F FJT, FLA

Int Cl (Ed.7): E21B

Other: Online: WPI, EPODOC, JAPIO

### Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
X,E	GB 2347952 A (Shell Int Research)	1
X,E	GB 2347950 A (Shell Int Research)	1
X,E	GB 2344606 A (Shell Int Research)	1
X	EP 0881354 A (Sofitech N.V.)	1
X	WO 99/35368 A (Shell Int Research) - see figure 4	1
X	WO 98/00626 A (Shell Int Research)	1

X Document indicating lack of novelty or inventive step  
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A Document indicating technological background and/or state of the art.  
P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.



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Application No: GB 0016917.7  
Claims searched: 43-52

Examiner: David Pepper  
Date of search: 25 January 2001

## Patents Act 1977 Further Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK Cl (Ed.S): F2G

Int Cl (Ed.7): F16L

Other: Online: WPI, EPODOC, JAPIO

### Documents considered to be relevant:

Category	Identity of document and relevant passage	Relevant to claims
A	GB 1137310 A (Commissariat a l'Energie Atomique)	-
A	US 5924745 A (Petroline Wellsystems Ltd)	-
X	US 4707001 A (Seal-Tech Inc) - see col 5, lines 9-37	43-45
X	US 4703959 A (Hydril Co)	43-45
X	US 4648627 A (Dril-Quip Inc) - see col 4, lines 25-39	43-45,47
X	US 4577895 A (Hub City Works Inc) - see col 2, lines 40-54	43,44
A	US 4501443 A (Mannesmann Aktiengesellschaft)	-

X Document indicating lack of novelty or inventive step  
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P Document published on or after the declared priority date but before the filing date of this invention.  
E Patent document published on or after, but with priority date earlier than, the filing date of this application.



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Application No: GB 0016917.7  
Claims searched: 59-63

Examiner: David Pepper  
Date of search: 25 January 2001

## Patents Act 1977 Further Search Report under Section 17

### Databases searched:

UK Patent Office collections, including GB, EP, WO & US patent specifications, in:

UK CI (Ed.S): E1F FLA

Int CI (Ed.7): E21B

Other: Online: WPI, EPODOC, JAPIO

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Category	Identity of document and relevant passage	Relevant to claims
A,P	GB 2344606 A (Shell Internationale Research Maatschappij B.V.)	

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| & Member of the same patent family                                                                          | B Patent document published on or after, but with priority date earlier than, the filing date of this application. |